Nu-Metrics Traffic Analyzer Study

Computer Generated Summary Report
Mclean 100' South of Speed Hump

Street: Mclean 14 red

A study of vehicle traffic was conducted with HI-STAR unit number 6302. The study was done in the South bound lane on Mclean using counter #14 red as shown on attached drawing. The counter was placed 100 ft. south of the speed hump. The study began on 01/20/2004 at 04:00 PM and concluded on 01/23/2004 at 03:00 PM, lasting a total of 71 hours. Data was recorded in 60 minute time periods. The total recorded volume of traffic showed 1,839 vehicles passed through the location with a peak volume
of 70 on 01/22/2004 at 09:00 AM and a minimum volume of 0 on 01/21/2004 at 01:00 AM. The AADT
Count for this study was 622.

SPEED

Chart 1 lists the values of the speed bins and the total traffic volume for each bin.

Chart 1

0 to 9	10 to 14	15 to 19	20 to 24	25 to 29	30 to 34	35 to 39	40 >
0	30	214	518	480	216	49	35

At least half of the vehicles were traveling in the 25 - 29 mph range or a lower speed. The average
speed for all classified vehicles was 25 mph with 50.5 percent exceeding the posted speed of 25 mph. The HI-STAR found 5.45 percent of the total vehicles were traveling in excess of 35 mph. The mode speed for this traffic study was 20 mph and the 85th percentile was 31.59 mph.

CLASSIFICATION

Chart 2 lists the values of the eight classification bins and the total traffic volume accumulated for each bin.

Chart 2

0 to 20	21 to 27	28 to 39	40 to 49	50 to 59	60 to 69	70 to 79	80 >
1487	36	18	0	1	0	0	0

Most of the vehicles classified during the study were Passenger Cars. The number of Passenger Cars in the study was 1,523 which represents 98.80 percent of the total classified vehicles. The number of Small Trucks in the study was 18 which represents 1.20 percent of the total classified vehicles. The number of Truck/Buses in the study was 0 which represents 0.00 percent of the total classified vehicles. The number of Tractor Trailers in the study was 1 which represents 0.10 percent of the total classified vehicles.

HEADWAY

During the peak time period, on 01/22/2004 at 09:00 AM the average headway between the vehicles was 50.7 seconds. The slowest traffic period was on 01/21/2004 at 01:00 AM. During this slowest period, the average headway was 3600.0 seconds.

WEATHER

The roadway surface temperature over the period of the study varied between 25 and 50 degrees Fahrenheit. The HI-STAR determined that the roadway surface was Dry 100.00 percent of the time.